

Title (en)
SQUEEZABLE CONTROL DEVICE FOR COMPUTER DISPLAY SYSTEMS

Publication
EP 0444133 A4 19930519 (EN)

Application
EP 90900477 A 19890929

Priority
• US 8904401 W 19890929
• US 27112688 A 19881114

Abstract (en)
[origin: WO9005972A1] A squeezable cursor control device (10) provides movement of moveable entities displayed on a computerized display (14). In one application the squeezable cursor control device (10) provides scrolling of window contents as a function of cursor position relative to the window. The cursor (15) positioned within the window (23) provides short range scrolling upon squeezing of two opposed portions (30, 31) of the control device (10). The cursor (15) positioned outside the window (23) provides medium and long range scrolling upon squeezing of the control device (10). Graphical indicators such as directional indications (63) and elevator bars (57, 59) aid selection and specification of medium and long range scrolling. A graphical indicator of a user generated path provides direction and amount of scrolling in short range scrolling.

IPC 1-7
G09G 5/00

IPC 8 full level
G06F 3/14 (2006.01); **G06F 3/038** (2013.01); **G09G 5/00** (2006.01); **G09G 5/08** (2006.01); **G09G 5/34** (2006.01)

CPC (source: EP US)
G06F 3/03543 (2013.01 - EP US); **G06F 3/038** (2013.01 - EP US); **G06F 3/0485** (2013.01 - EP US); **G06F 3/04855** (2013.01 - EP US);
Y10S 715/973 (2013.01 - US)

Citation (search report)
• [Y] DE 3705492 A1 19870827 - ALPS ELECTRIC CO LTD [JP]
• [A] EP 0159400 A1 19851030 - IBM [US]
• [A] EP 0172433 A2 19860226 - TEKTRONIX INC [US]
• [Y] COMPUTERS IN MECHANICAL ENGINEERING vol. 4, no. 6, May 1986, NEW YORK, US pages 16 - 24 ANDERSON D. C. 'Closing the Gap: A Workstation - Mainframe Connection'
• [Y] MICROSOFT WINDOWS PAINT USER'S GUIDE 1987, page 32
• [A] IBM TECHNICAL DISCLOSURE BULLETIN vol. 30, no. 5, October 1987, NEW YORK US pages 202 - 203 'MANIPULATION METHOD OF RECTANGULAR AREA ON SCREEN'
• See references of WO 9005972A1

Designated contracting state (EPC)
BE DE FR GB NL

DOCDB simple family (publication)
WO 9005972 A1 19900531; AU 4653289 A 19900612; AU 629878 B2 19921015; CA 2000035 A1 19900514; CA 2000035 C 19940201;
DE 68925124 D1 19960125; DE 68925124 T2 19960704; EP 0444133 A1 19910904; EP 0444133 A4 19930519; EP 0444133 B1 19951213;
JP H04503261 A 19920611; US 5122785 A 19920616

DOCDB simple family (application)
US 8904401 W 19890929; AU 4653289 A 19890929; CA 2000035 A 19891002; DE 68925124 T 19890929; EP 90900477 A 19890929;
JP 50030889 A 19890929; US 60103390 A 19901022